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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/614,122	07/08/2003	Sang Ok Lee	2729-159	6041

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EXAMINER

JIANG, CHEN WEN

ART UNIT	PAPER NUMBER
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3744

DATE MAILED: 07/14/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/614,122

Applicant(s)

LEE ET AL.

Examiner

Chen-Wen Jiang

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 May 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) 13-19 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 July 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 20031114.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Election/Restrictions

1. Applicant's election with traverse of Invention I (claims 1-12) in the reply filed on 5/14/2004 is acknowledged. The traversal is on the ground(s) that the Examiner failed to demonstrate the hypothetical process can be regarded as a materially different process. This is not found persuasive because forging and welding are not hypothetical processes since these processes and disclosed in prior art, e.g., KR-P2000-0047336 provided in PTO-1449).

The requirement is still deemed proper and is therefore made FINAL.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

3. Claims 1 and 10 are rejected under 35 U.S.C. 102(b) as being anticipated by Shinoda et al. (JP 09324962).

Shinoda et al. disclose a liquid receiver integrated condenser. Referring to Fig.1, the device comprises a filter 12, a liquid receiver 3, a refrigerant inlet 9 at the upper part of the receiver, a refrigerant outlet 10, a protruding portion 11b at upper end of the filter 12 and a coupling portion 13.

4. Claims 1,2,10 and 12 are rejected under 35 U.S.C. 102(a) as being anticipated by Hiihama (JP 2002107009).

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Hiihama discloses a filter-holding structure of receiver. The device comprises a cylindrical body 33, a filter 37, a coupling 39 having a press-in part 67, refrigerant inlet 29, refrigerant outlet 31, a protruding portion 59 at upper end of the filter 37.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 4-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shinoda et al. or Hiihama in view of Bernini (U.S. Patent Number 6,446,463).

In regard to claim 4, Shinoda et al. or Hiihama discloses the invention substantially as claimed. However, Shinoda et al. and Hiihama does not disclose a supporting ring. Bernini discloses supporting rings 5 in the same field of endeavor for the purpose of sealing. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the apparatus of Shinoda et al. or Hiihama with a ring in view of Bernini so as to provide sealing.

In regard to claim 8, the structure to install sealing ring is a design choice.

7. Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shinoda et al. or Hiihama.

Shinoda et al. or Hiihama discloses the invention substantially as claimed. The product by process has no weight in the apparatus claims.

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8. Claims 3 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shinoda et al. or Hiihama in view of Kato et al. (U.S. Patent Number 6,295,832) or Yamazaki et al. (U.S. Patent Number 6,494,059).

Shinoda et al. or Hiihama discloses the invention substantially as claimed. However, Shinoda et al. and Hiihama does not disclose pressing the body inward forms the protruding portion. Kato et al. (Fig. 6) Yamazaki et al. (Fig. 9) disclose pressing the body in the analogous art to retain parts. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the apparatus of Shinoda et al. or Hiihama with pressing protrusion in view of Kato et al. or Yamazaki et al. so as to retain the filter.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chen-Wen Jiang whose telephone number is (703) 308-0275. The examiner can normally be reached on Tuesday-Friday from 7:00 to 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Denise Esquivel can be reached on (703) 308-2597. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free)

Chen-Wen Jiang
Primary Examiner

